Pomhontae County Geological Survey

On page 272 - illustration

on page and the control of Browns Mountain Anticline along the highest (State Route 45) following the Emaph Creek gorge between the Bunterville bridge, 0.6 miles coutheast of Hunteville, and the Himschaha Springe bridge, 0.5 miles northwest of Himschaha Springe bridge, 0.5 miles northwest of Himschaha Springe bridge, 0.5 miles

## (Sketch attached)

The mejor enticlines are described as follows:

Deer Park Anticline
Eleckwater Anticline
Erowns Mountain Anticline
Horton Anticline

Deer Park inticline enters Pocahontas from Rendolph 0.4 miles west of Mace - continues in a general S. W. directionfor 11-1/4 miles.

for 11-1/4 miles.

Facsing just west of Limmond - terminating on the eastern and of Red Lick Mountain.

The Dischesjer Anticline has its optim in Mineral County to uniterest to Haryland a roughly paralleling the west Virtuin and Maryland Line to I mile entherest of Coreans - conditions anothered to Great - Tacker County line serous Tacker through Comess Tally is to Mendolph entirely herees Rendolph to Possibilities antering a miles Mortheast of Widell - continues antering a miles Mortheast of Widell - continues manifest for implaites paraling through Frank, and appearantly often cost in cases Video.

Under the head of Browns Mountain acticlinswill be discussed the com les folded area or acticlinorium, that is so compreicose along Kanp Creek batween <u>Numerville</u> and Minnahhat Cyrings and that extends couth westward along Brushy and bewer Lick Konnatien into Creenbird County and to the north clong Frowns and Mitcheel Mountains, through Ogean; Dank and ending eproximately one alle northeast of Marton.

The Mountains which is the most constituous stroutural feature in Possbonts founty, has its source in a number of small folds between the southern ener of Blackwater.

anticline and Pob syncline near Section.

It continues southwestward roughly parrellalinguish itate roof to Green Back where much evidence of equesting can be seen, and from this locality the main exis comments with the top of Mitcheel Kountain. Along the state food Tuntore a sates of

folds is encountered with squeezing and mashing.

The Oflickey market MV alle cast of pumbore is overfurned with a Dai to the south seast, while SA of a mile forether each the Domanville Platy Imstone has less expressed choose to a point of flowabe, one-hair mile further east from the letter point a low greenful, sinch a real of the Thite Boding consistents the main exis of this foliated area and marke the northerp and of this earlier that is so sfootnessly developed between Nunterville and Minemake Prints.

At the southern end of Michael Mountain the east trands semewhat structly to the southwest and eropess the Brown Creak - Front read 1.3 miles even Thorny Creak School, From this south sends the major pole holds, to the western side of Browns Mountain, but in the gorge of Fnepp creek its true nature as an anticlinorium becomes more opparent, there being another fold of equal magnitude that west of the nameshes Springs bridgs.

The rocks exposed in this fold include those of the Chenung Series of the Upper Devonian down to the Red Medins Series of the basel Silurian.

Eath the eastern and western flanks are composed of steep dies and accasionally over-turned somewhat beyond the

At <u>Wicheel Mountain</u> this anticline its greatest altitude bringing the <u>White Medina quartrite</u> to the surface along the crest of the ridge.

The same sorten is exposed in the srch 1.7 miles east of Damnore and is also well exposed, with the undarlying the Hading, in the surge of Knopp Great between Hunterville and Himschaft Spridge. If is also the Frincepel ridge rook in Bewerr Lick Mountain.

Much of the area of this Anticline is composed of the Silurian limestones, but there are a number of the ridges composed of the Clinton quartzites.

The remaining ridge maker is the Oriskany Series that flanks this entire anticline on either eids or the ridge which alo has down to the Lower Devonian shale depressions the surround the mountains.

On Page 176 C Flate YY1Y

Save mean base of Greenbrier River linestone at the head of Steven Hole Run. The cave var the home of Steven Sewell

for several years and le nom a point of interest for tourists.

and Cromo W. antibire 1 h. se of Knotersville Bridge 3/4 mile SE Thankenselle Brown's Mountain anticline Possum Hollow Buzgards Hillow Barkeley Run Bridge Minnehola Strings

